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CENTRAL INTELLIGENCE AGENCY REPORT
INFORMATION REPORT CD NO.

COUNTRY	East Germany	DATE DISTR.	25 October 1955
SUBJECT	VEB Funkwerk Koepenick Development of a 750 kw Long Wave Transmitter	NO. OF PAGES	2
PLACE ACQUIRED		NO. OF ENCLS. (LISTED BELOW)	25X1
DATE OF INFO.		SUPPLEMENT TO REPORT NO.	

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THIS IS UNEVALUATED INFORMATION

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1. [REDACTED] -modulated long-wave "megawatt" transmitter. Funkwerk Koepenick was completed in March 1955. The project was initiated in 1952 but construction work did not start until late 1953 and early 1954. The development was carried out in Department TES (now called EES) under the supervision of Ing. Heinz Rein. Work on the transmitter, both under Rein's supervision and later, was done in three development groups:

- a. Group for High Frequency Stages:
Ings. Volkmar Rockstadt, Horst Wiesemann and Erwin Nieschan.
- b. Group for C [REDACTED] Frequency Filters:
Ings. Franz [REDACTED] Hans Joachim [REDACTED].
- c. Group for Low Frequency Filters:
Ings. [REDACTED] Hans [REDACTED]

2. While the transmitter is usually referred to as a megawatt transmitter, it is actually a 750 kilowatt transmitter operating in the frequency range of 150 to 300 kc. (kHz). Its work designation is SL II. It is a triplet transmitter consisting of three individual transmitters of 250 kilowatts each. Each of these transmitters is provided with two separate pre-stage sets. The triplet transmitter will be equipped with a main antenna and a plane reserve antenna (reservenflaechenantenne).

3. The two last stages of the transmitter are equipped with tubes type RS 566 produced by VEB Werk fuer Fernmeldewesen in Berlin/Oberschoeneweide. The tubes are of poor quality, having an average life of only 150 hours.

4. While the transmitter, as such, stands completed in the transmitter test fields of VEB Funkwerk Koepenick, the antenna question is far from being solved. According to original plans, the main antenna was to be a mast 400 meters high. In subsequent plans, the height was reduced to 380 meters but this project, too, was rejected by the enterprise. At present (now) [REDACTED]

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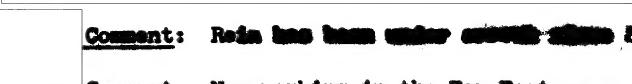

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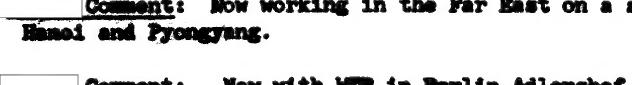
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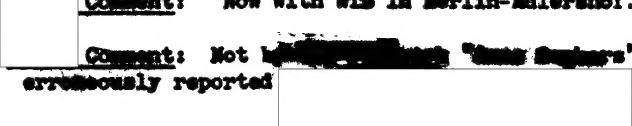
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5. The transmitter is to be located at Funkamt Oranienburg near Zehlendorf. The power supply installations are now being established there. According to present plans, one individual transmitter out of the three making up the entire installation is to operate for the first time in June 1956. In late 1956, the entire installation is planned to start operations.

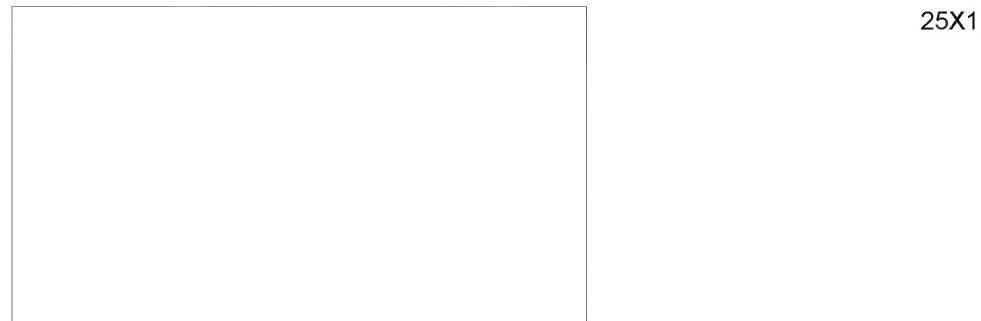
1.  25X1

2.  Comment: Rein has been under assault since September 1954. 25X1

3.  Comment: Now working in the Far East on a short-wave line between Hanoi and Pyongyang. 25X1

4.  Comment: Now with WTB in Berlin-Adlershof. 25X1

5.6.  Comment: Not working through "Tele-Senders", Neustadt, as erroneously reported  25X1



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25X1

CENTRAL INTELLIGENCE AGENCY

REPORT

INFORMATION REPORT

OD NO.

25X1

COUNTRY West Germany

DATE DRAFTED 25 October 1955

SUBJECT Development of a 750
Kilowatt Long Wave Transmitter

NO. OF PAGES

2

PLACE ACQUIRED

September 1955

NO. OF PAGES

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SUPPLEMENT TO
REPORT NO.

25X1

ALL INFORMATION CONTAINED IN THIS DOCUMENT IS UNCLASSIFIED
DATE 10-25-09 BY 6520

THIS IS UNEVALUATED INFORMATION

25X1

1. Development of an anode-modulated long-wave "megawatt" transmitter¹ at VEB Funkwerk Koepenick was completed in March 1955. The project was initiated in 1952 but construction work did not start until late 1953 and early 1954. The development was carried out in Department TES (now called EES) under the supervision of Ing. Heinz Rein. Work on the transmitter, both under Rein's supervision and later, was done in three development groups:
 - a. Group for High Frequency Stages:
Ings. Volkmar Reckstadt, Horst Wiesemann and Erwin Nieschan.
 - b. Group for Components and Transmission Technology:
Ings. Franz Suchomski, Hans Joachim Rieck and Walter (fmu).⁴
 - c. Group for Energy Lines, Antenna Tuning and High Frequency Filters:
Ing. Kurt Heinemann
2. While the transmitter is usually referred to as a megawatt transmitter, it is actually a 750 kilowatt transmitter operating in the frequency range of 150 to 300 kc. (kHz). Its work designation is SL II. It is a triplet transmitter consisting of three individual transmitters of 250 kilowatts each. Each of these transmitters is provided with two separate pre-stage sets. The triplet transmitter will be equipped with a main antenna and a plane reserve antenna (reservenflaechenantenne).
3. The two last stages of the transmitter are equipped with tubes type RS 566 produced by VEB Werk fuer Fernmeldewesen in Berlin/Oberschoeneweide. The tubes are of poor quality, having an average life of only 150 hours.
4. While the transmitter, as such, stands completed in the transmitter test fields of VEB Funkwerk Koepenick, the antenna question is far from being solved. According to original plans, the main antenna was to be a mast 400 meters high. In subsequent plans, the height was reduced to 380 meters but this project, too, was rejected by the experts on statics of the enterprise. At present (early September 1955), the antenna question is not yet solved.

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CLASSIFICATION S-E-C-R-E-T

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ARMY	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				

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5. The transmitter is... to be located at Funkamt Oranienburg near Zehlendorf. The power supply installations are now being established there. According to present plans, one individual transmitter out of the three making up the entire installation is to operate for the first time in June 1956. In late 1956, the entire installation is planned to start operations.

1. [redacted] 25X1

2. [redacted] Comment: Rein has been under arrest since September 1954. 25X1

3. [redacted] Comment: Now working in the Far East on a short-wave line between Hanoi and Pyongyang.

4. [redacted] Comment: Now with WTB in Berlin-Adlershof. 25X1

5. [redacted] Comment: Not by VEB Funkwerk "Anna Seghers", Neustadt, as erroneously reported in [redacted] 25X1

[redacted] 25X1

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